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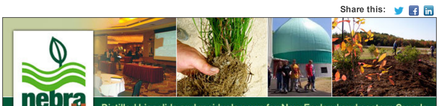

Distilled biosolids and residuals news for New England and eastern Canada

April 8, 2021

UPCOMING EVENTS:

Northeast Waste Management Officials' Association (NEWMOA) PFAS webinar series is underway through June 8th with sessions of interest including "Understanding Usability of PFAS Data" on **May 4th**.

North East Digestion Roundtable (NEDR) #18 on **April 9th**: Greater Lawrence Sanitary District's experiences with co-digestion.

The Annual U.S. Water Treatment Conference is virtual, **April 13-14**.

EPA Biosolids Program Webinar Series continues with a session on Thickening Technologies on **April 28th**.

The PFAS Forum will be held **April 28 -30th** in person in Tampa, Florida, with parallel virtual sessions.

EPA is hosting a 2-part webinar series on biosolids regulations and management methods on **April 29th** and **May 27th**.

NEBRA Lunch & Learn about Managing Paper Sludges in Quebec on **April 30th**.

WEF's Residuals & Biosolids Conference will be held virtually **May 11th through the 13th**. And don't miss the pre-conference workshop on **May 6th**, *Stop Pee-Pooing Biosolids Communications!*

NEBRA Lunch & Learn about the new biosolids gasification facility in Morrissville, PA, on **May 28th**.

A Conversation About Biosolids With Bill Toffey, NEBRA Lunch & Learn on **June 25th** at Noon ET.

FOR MORE EVENTS, go to NEBRA's Events Page.

Career Opportunity!

NEBRA Member NEFCO is looking for a Biosolids Distribution Account Manager. Check out the job descripion on our website.

CHECK IT OUT:

The Benefits of Biochar, from the U.S. Department of Agriculture, Agricultural Research Service.

The Virginia Biosolids Council has updated its Code of Good Practice.

NEW! Information and resources about resource recovery added to www.nebiosolids.org/for-energy.

Department of Energy's Water Resource Recovery Challenge Prize Phase I winners include a super critical water oxidation process developed by Kobe Nagar of 374 Water.

Could wastewater solids power future flights?

Great video about a project to turn sewage sludge into hydrogen and other fuels.

Really? Shit& Flow Diagrams are being used for public outreach on sanitation in India, Bangledesh and other places in Asia.

Reel: the tree-free 100% bamboo TP company with a mission to provide access to toilets in needy areas of the world.

Microbiosologists make art using pathogens.

@nebiosolids

Calendar

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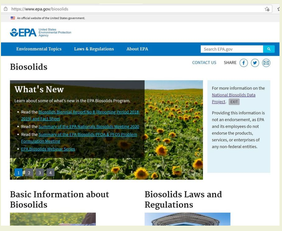
Looking for Content

NEBRA is always looking for good content – like **stories for NEBRAMail and topics for webinars**. We welcome articles from and presentations by members. If you have any ideas or suggestions, please contact the NEBRA office.

EPA Releases Biennial Review of Pollutants in Biosolids

To comply with Section 405 of the Clean Water Act, the U.S. Environmental Protection Agency (EPA) must, every two years, review the biosolids regulation (Part 503) to identify additional pollutants and regulate them if there is sufficient scientific evidence to do so. EPA's recently published Biennial Report No. 8 is the first step in that process which also involves assessing the pollutants for potential risk, and developing regulations if appropriate.

The Biennial Report No. 8 was prepared by EPA's Biosolids Program which is in the Office of Science and Technology under EPA's Office of Water. As part of this biennial review, the Biosolids Program searched for publicly available literature published between January 2018 and December 2019 related to the occurrence and fate/transport of pollutants in biosolids as well as human and ecological toxicity information that could form the basis for further risk assessments. More…



PFAS Developments in 2021

There has been a flurry of activity in early 2021 to address per- and polyfluoroalkyl substances (PFAS) at the U.S. federal level so this is a good time for a regulatory update on PFAS in wastewater and biosolids/residuals. In this article, NEBRAMail will also give you a snapshot of regional and state activities and highlight some resources you may find helpful in weeding through all the PFAS regulatory and legislative (Reg-Leg) information to figure out what it means for your operation or business. Read more…

WEF Kicks Off Webcast Series on PFAS with Session on Biosolids

The Water Environment Federation hosted a webcast on per- and polyfluoroalkyl substances (PFAS) in municipal biosolids on April 1st. This was the first of three webcasts by WEF which recently established a new PFAS Task Force to focus on PFAS in water issues and coordinate activities across all WEF Committees. NEBRA's own Ned Beecher was co-moderator with Maddy Fairley-Wax, P.E., of Jacobs for this first webcast. More…

In Brief / en bref...

Quebec Updates Its Guide for Recycling Residuals

On March 10, 2021, Quebec's Ministère de l'Environnement et de la Lutte contre les Changements Climatiques (MELCC) published Addendum 7 to its Guide on the recycling of residual fertilizing materials (then Guide). This new addendum implements new regulations which became effective on December 31, 2020. The addendum covers changes in the standards of acceptability and operations of the MFRs (matières résiduelles fertilisantes) spreading activity of materials previously authorized for storage. The Addendum to the Guide also introduces a new exemption for storage of wood chips and all-purpose potting soil in garden centers and construction sites for use. To consult the new addendum, please visit the MELCC website.

NEBRA will be hosting a **Lunch & Learn on April 30th** about residuals management in Quebec. There are over a dozen pulp and paper mills spread out across the Province generating about 1.5 million metric tons of short paper fiber residuals every year. NEBRA member Englobe successfully manages a lot of these materials and Nic Leblanc, Englobe's Director of Business Development for the Northeast US, will be discussing Quebec's residuals recycling regulations, current management strategies and future prospects for pulp and paper residuals recycling in Quebec.

UMaine Kicks Off Research Project on PFAS in Residuals, NEBRA is a Stakeholder

With funding from the U.S. Geological Survey, the University of Maine (UMaine)'s Mitchell Center for Sustainability Solutions has initiated a research study titled "Integrated Assessment of Alternative Management Strategies for PFAS-Contaminated Wastewater Residuals" and will host a kick-off stakeholders meeting on May 10th. The North East Biosolids & Residuals Association (NEBRA) has signed on as a stakeholder and will contribute in-kind funds the project. Read more…

VW-4170 Researchers Want Help with Meta Analysis for Carbon Sequestration from Biosolids

Virginia Polytechnic Institute and State University researchers have embarked on a project to collect carbon sequestration data for biosolids. Specifically, they are looking to provide quantitative values to land-applied biosolids and potential carbon sequestration rates. As part of the project, Virginia Tech has initiated a comprehensive literature review and is looking for volunteer reviewers to assist them. The research project team needs people to help them review the materials and methods sections of selected articles to see if they meet the predefined inclusion criteria. Read more…

Recent NEBRA Presentations of Interest to Members

NEBRA's Executive Director has made several presentations in the last month, mostly around PFAS in biosolids and residuals. Copies of the presentations are available on NEBRA's member page and NEBRA members can email info@nebiosolids.org to request permission to use any of the slides or associated presentation materials.

North East Biosolids and Residuals Association (NEBRA)

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